AMENDMENTS TO CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

- 1. (Currently Amended) In an absence of electroplating and non-electric plating, aA pattern forming method characterized by forming a mask having pattern-forming openings on a workpiece surface, and then selectively supplying and solidifying an electrically conductive liquid pattern material solution into the pattern-forming openings of the mask, producing a solid solute in the pattern-forming opening by evaporating a solvent from the conductive liquid pattern solution.
- 2. (Currently Amended) <u>In an absence of electroplating and non-electric plating</u>, A-a pattern forming method comprising:
- a) a mask forming process for forming a mask having pattern-forming openings on a workpiece surface;
- b) a pattern material supplying process for selectively supplying a conductive liquid-pattern material to said pattern-forming openings, and for while also—drying said conductive liquid-pattern material in said pattern-forming openings at the same time as said supplying of said conductive liquid pattern material to produce dried solute in said pattern-forming openings through said drying;
 - c) a process for removing said mask from said workpiece; and
- d) an annealing process for annealing said dried solute of the liquidpattern material.
- 3. (Currently Amended) <u>In an absence of electroplating and non-electric plating</u>, <u>a A-pattern forming method comprising</u>:
- a) a mask forming process for forming a mask having pattern-forming openings on a workpiece surface;
- b) a pattern material supplying process for supplying a conductive liquidpattern material to said pattern-forming openings <u>without submerging said</u> workpiece surface in said liquid-pattern material;

c) a drying process for evaporating solvent from the liquid-pattern material to produce dried solute;

- d) a mask removal process for removing said mask from said workpiece; and
 - e) an annealing process for annealing said dried solute.
- 4. (Currently Amended) <u>In an absence of electroplating and non-electric plating</u>, <u>a A-pattern forming method comprising</u>:
- a) a mask forming process for forming a mask having pattern-forming openings on a workpiece surface;
- b) a pattern material supplying process for supplying an electrically conductive, liquid-pattern, material organometallic compound solution to the pattern-forming openings;
- c) a solidifying process for solidifying evaporating a solvent from said liquid-pattern organometallic compound solution material to produce a dried solute supplied into in said pattern-forming openings; and
- d) a mask removal process for removing said mask from said workpiece after sequentially repeating plural times in succession said a) pattern material supply process and c) solidifying process.
- 5. (Currently Amended) <u>In an absence of electroplating and non-electric plating</u>, <u>a A-pattern forming method comprising</u>:
- a) a mask forming process for forming a mask having pattern-forming openings on a workpiece surface;
- b) a pattern material supplying process for <u>selectively</u> supplying a liquidpattern material to the pattern-forming openings without submerging said workpiece surface in said liquid-pattern material;
- c) an adherent-liquid removal process for removing liquid pattern material that adhered to the mask surface when the liquid-pattern material was supplied to the openings;
- d) a drying process for producing dried solute in the pattern-forming openings by evaporating solvent from the liquid-pattern material;

- e) an annealing process for annealing said dried solute after sequentially performing plural times said b) pattern material supply process, c) adherent-liquid removal process, and d) drying process; and
- f) a mask removal process for removing said mask from the workpiece following process e).
- 6. (Currently Amended) <u>In an absence of electroplating and non-electric plating</u>, <u>a A-pattern forming method comprising</u>:
- a) a mask forming process for forming a mask having pattern-forming openings on a workpiece surface;
- b) a pattern material supplying process for <u>selectively</u> supplying a liquidpattern material to the pattern-forming openings;
- c) a drying process for producing dried solute by evaporating solvents from the liquid-pattern material in the pattern-forming openings; and
- d) an annealing process for annealing said dried solute after sequentially performing plural times said b) pattern material supply process and c) drying process.
- 7. (Currently Amended) <u>In an absence of electroplating and non-electric plating</u>, <u>a A-pattern forming method comprising</u>:
- a) a mask forming process for forming a mask having pattern-forming openings on a workpiece surface;
- b) a pattern material supplying process for supplying an electrically conductive liquid-pattern material—solution_to the pattern-forming openings, wherein elements of said liquid-pattern material—solution_adhered to said mask surface during the supplying of liquid-pattern material—solution_to the pattern-forming openings;
- c) a solidifying process for solidifying said producing first solid solute from said liquid-pattern material—solution supplied into said pattern-forming openings, and solidifying for producing second solid solute from said elements of said liquid-pattern material—solution adhered to said mask surface;
- d) a solid-material removal process for <u>selectively</u> removing the <u>solidified</u> <u>second solid solute and not removing the first solid solute; elements of the liquid-pattern material that adhered to the mask surface; and</u>

e) a mask removal process for removing said mask from said workpiece after sequentially performing plural times said b) pattern material supply process for supplying said electrically conductive liquid-pattern solution, c) solidifying process, and d) solid-material removal process.

- 8. (Currently Amended) <u>In an absence of electroplating and non-electric plating</u>, <u>a A-pattern forming method comprising</u>:
- a) a mask forming process for forming a mask having pattern-forming openings on a workpiece surface;
- b) a pattern material supplying process for supplying a liquid-pattern material-solution to said mask openings, wherein pattern-forming material further adheres onto the mask surface during the supplying of liquid-pattern material to the pattern-forming openings;
- c) a drying process for producing dried solids by evaporating solvent from the liquid-pattern <u>material solution</u> in said pattern-forming openings and on the mask surface;
- d) a solid-material removal process for removing dried solids of-produced from the liquid-pattern material-solution that adhered on the mask surface when the liquid-pattern material-solution was supplied to the pattern-forming openings;
- e) an annealing process for annealing the dried solute in said patternforming openings after sequentially performing plural times said b) pattern material supply process, c) drying process, and d) solid-material removal process; and
- f) a mask removal process for removing said mask from the workpiece after said e) annealing process.
- 9. (Currently Amended) <u>In an absence of electroplating and non-electric plating</u>, <u>a A-pattern forming method comprising</u>:
- a) a mask forming process for forming a mask having pattern-forming openings on a workpiece surface;
- b) a pattern material supplying process for supplying a liquid-pattern material-solution to said mask openings, wherein pattern-forming material-solution further adheres onto the mask surface during the supplying of liquid-pattern material to the pattern-forming openings;

c) a drying process for producing dried solids by evaporating solvent from the liquid-pattern <u>material solution</u> in said pattern-forming openings and on the mask surface;

- d) a solid-material removal process for removing the dried solids from the mask surface;
- e) an annealing process for annealing the dried solids in said patternforming opening; and
- f) a mask removal process for removing said mask from said workpiece after sequentially performing plural times said b) pattern material supply process, c) drying process, d) solid-material removal process, and e) annealing process, in stated sequence.
- 10. (Currently Amended) The pattern forming method of claim 1, wherein said mask has hydrophobic properties on at least the surface thereof for repelling said liquid pattern material solution.
- 11. (Currently Amended) The pattern forming method of claim 42, wherein said mask is hydrophobic for repelling said liquid pattern material.
- 12. (Currently Amended) The pattern forming method of claim 1, wherein said solvent is evaporated from said liquid-pattern solution material is solidified through evaporation-by applying heat.
- 13. (Currently Amended) The pattern forming method of claim 12, wherein heating of and solidifying said liquid-pattern material solution comprises includes a drying process for producing dried solute by evaporating all of said solvent from the liquid pattern material solution, and includes a subsequent an annealing process for annealing said dried solute.
- 14. (Currently Amended) The pattern forming method of claim 1, wherein said mask is removed from said workpiece after—solidifying said liquid pattern material producing said solid solute.
- 15. (Currently Amended) The pattern forming method of claim 1, wherein:

said <u>liquid pattern material is solidified solid solute is produced</u> after removing liquid-pattern <u>material solution</u> that adhered to the mask surface when the liquid-pattern <u>material solution</u> was supplied to the pattern-forming openings.

- 16. (Previously presented) The pattern forming method of claim 6, wherein said d) annealing process is performed after removing said mask from said workpiece.
- 17. (Previously presented) The pattern forming method of claim 6, wherein said mask is removed from the workpiece after said d) annealing process.
- 18. (Previously presented) The pattern forming method of claim 2, wherein said c) process for removing said mask and said d) annealing process are performed simultaneously.
- 19. (Currently Amended) <u>In an absence of electroplating and non-electric plating</u>, <u>a A-pattern forming method comprising</u>:
- a) a mask forming process for forming a mask having pattern-forming openings on a workpiece surface;
- b) a pattern material supplying process for supplying a liquid-pattern material to said pattern-forming openings while also at the same time drying said liquid-pattern material to produce dried solute;
 - c) an annealing process for annealing said dried solute; and
- d) a process for removing said mask from said workpiece after annealing said dried solute.
- 20. (Currently Amended) <u>In an absence of electroplating and non-electric plating</u>, <u>a A-pattern forming method comprising</u>:
- a) a mask forming process for forming a mask having pattern-forming openings on a workpiece surface;
- b) a pattern material supplying process for supplying a liquid-pattern material-solution to said pattern-forming openings;
- c) a drying process for producing dried solute by evaporating solvent in the liquid-pattern material;
 - d) an annealing process for annealing said dried solute; and
 - e) a mask removal process for removing said mask from said workpiece.

21. (Currently Amended) <u>In an absence of electroplating and non-electric plating</u>, <u>a A-pattern forming method comprising</u>:

- a) a mask forming process for forming a mask having pattern-forming openings on a workpiece surface;
- b) a pattern material supplying process for supplying a liquid-pattern material-solution to said pattern-forming openings, wherein liquid-pattern material adheres to the mask surface during said supplying of liquid-pattern material to said pattern-forming openings;
- c) an adherent-liquid removal process for removing liquid-pattern material—solution that adhered to the mask surface when the liquid-pattern material—solution was supplied to the pattern-forming openings;
- d) a drying process for producing dried solute by evaporating solvent in from said liquid-pattern material solution in the pattern-forming openings;
- e) a mask removal process for removing said mask from said workpiece after sequentially performing plural times said b) pattern material supply process for supplying said liquid-pattern solution, c) adherent-liquid removal process, and d) drying process in said stated order; and
- f) an annealing process for annealing said dried solute <u>after said e) mask</u> removal process.
- 22. (Currently Amended) <u>In an absence of electroplating and non-electric plating</u>, <u>a A-pattern forming method comprising</u>:
- a) a mask forming process for forming a mask having pattern-forming openings on a workpiece surface;
- b) a pattern material supplying process for supplying a liquid-pattern material to said mask openings, wherein liquid-pattern material adheres onto the mask surface during the supplying of liquid-pattern material to the pattern-forming openings;
- c) a drying process for producing dried solids in the pattern-forming openings and on the mask surface by evaporating solvent from the liquid-pattern material;
- d) a solid-material removal process for <u>selectively</u> removing dried solids from the mask surface;

e) a mask removal process for removing said mask from said workpiece after sequentially performing plural times said b) pattern material supply process for supplying said liquid-pattern material, c) drying process, and d) solid-material removal process; and

f) an annealing process for annealing the dried solute produced in the pattern forming openings.

23-64. (Cancelled)

- 65. (Currently Amended) The pattern forming method of claim 1, wherein said liquid pattern material solution is an organometallic compound solution. a solution having a conductive solute dissolved in a solvent, and said solidifying of said liquid pattern material includes recovering said conductive solute from said solution.
- 66. (Currently Amended) The pattern forming method of claim 1, wherein said liquid pattern solution is a solution of a powder of an inorganic material dissolved in said solvent. conductive solute is recovered from said solution by evaporating said solvent.
- 67. (Currently Amended) The pattern forming method of claim 1, said electrically conductive liquid pattern <u>material</u> solution is supplied to said pattern forming opening of said mask without submerging said workpiece in said electrically conductive liquid pattern <u>material</u> solution.
- 68. (Currently Amended) The pattern forming method of claim 1, wherein said electrically conductive liquid pattern <u>material</u>—<u>solution</u> is selectively supplied to said pattern forming opening of said mask by use of a specific-volume discharge device.
- 69. (Previously presented) The pattern forming method of claim 68, wherein said specific-volume discharge device is a print head of an inkjet printer.